

Science for the Modern World: from Macro to Micro

Objectius

- To learn some specific content from the Science curriculum through English.
- To read, write and talk about Science in English.
- To develop cognitive skills in a CLIL context.
- To engage students positively in a CLIL environment to benefit both from the learning of the content and the learning of the language.

Descripció de la proposta

The contents are aimed at students of 1st of batxillerat.

This project wants to show the interconnectedness of the progress of science and society to the citizens of the cyber generation. Students will learn about the theory of big-bang in the first part, the first vaccine in the second part, and the discovery of the DNA double helix structure in the third part.

Aspectes didàctics i metodològics

This project tries to deliver science to all the students in a dynamic and interactive way, working with things that really could be fascinating for everybody. Materials are divided into three parts. Every part is developed around an important scientific discovery.

Unit 1: origin of the universe and life evolution theories;
Unit 2: health and medical research and
Unit 3: biotechnology.

Recursos emprats

This didactic sequence contains downloadable worksheets addressed to students and ready to use materials and resources for teachers (ppt presentations, flashcards, games, videos, etc.).

Competències i continguts que es treballen de forma destacada

The lesson plans of this didactic sequence have been designed taking into account the specific skills of the two subject areas involved plus some transferable competences.

Alumnat a qui s'adreça especialment

These CLIL materials are suitable for students of upper secondary education.

Interdisciplinarietat, transversalitat, relacions amb l'entorn...

This didactic sequence combines content from the English language curriculum and the Science curriculum.

Documents adjunts

The materials of this didactic sequence are structured as follows:

- **Introduction** to the didactic sequence with information about the context and the development of the units.
- **Lesson plans:** detailed information of the different units contained in the sequence with the teaching objectives, learning outcomes and assessment criteria.
- **Students' worksheets:** downloadable ready to use materials in pdf files.
- **Teaching notes:** step by step instructions to implement the didactic sequence.
- **Support teaching resources:** supplementary materials to support the teaching of the didactic sequence.

All these materials are accessible at:

http://www.xtec.cat/monografics/cirel/pla_le/nile/roger_luna/

Autoria

This material was developed by Roger Luna Castillo in a paid study leave of the Catalan Department of Education, run by Norwich institute for Language Education in the 2009-2010 academic year.

